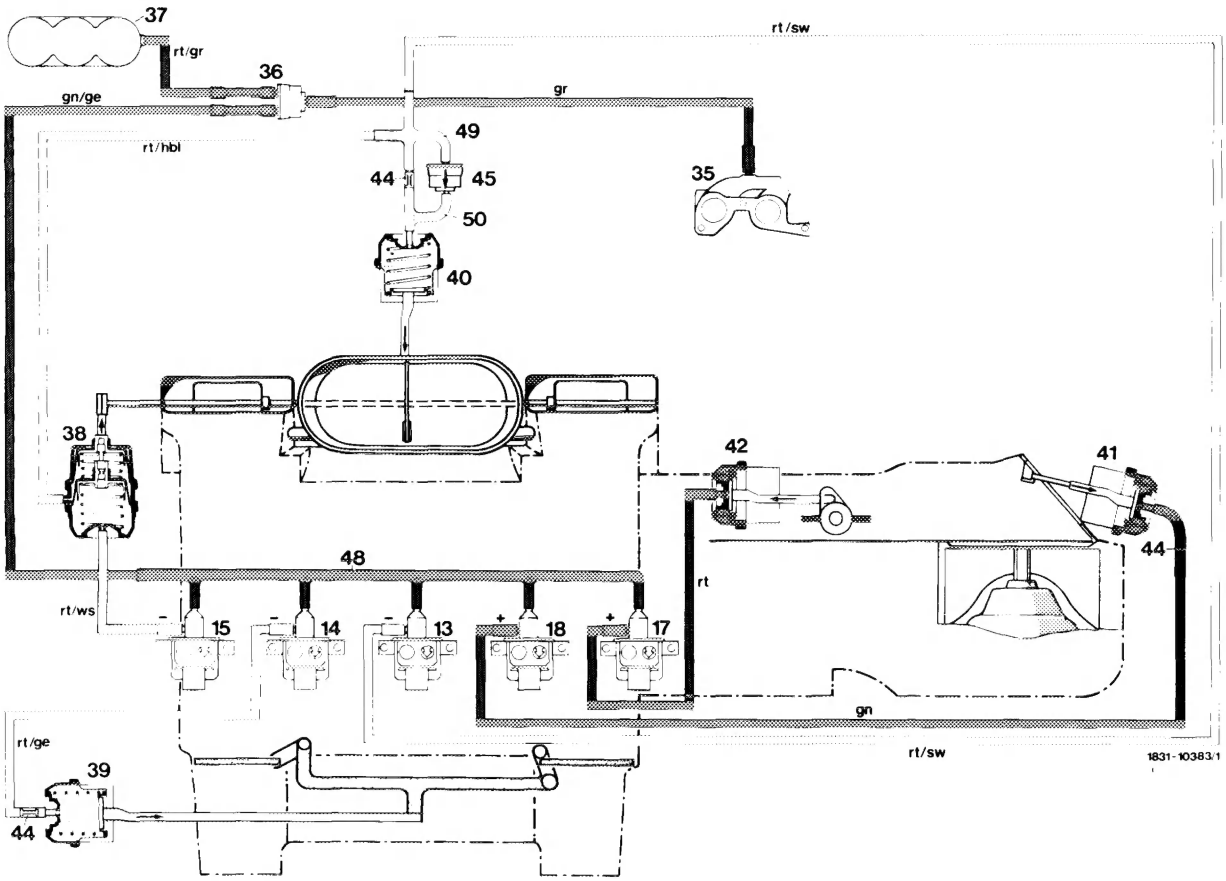
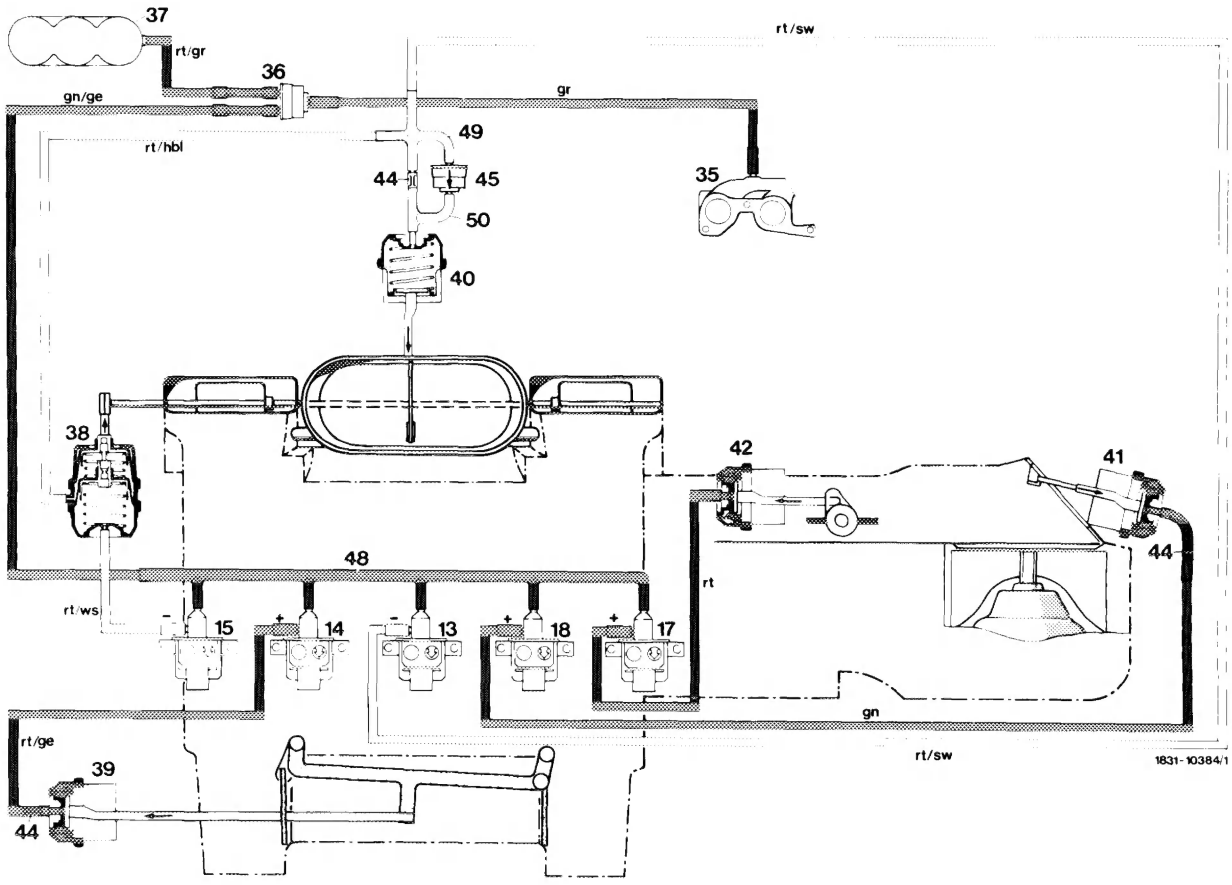


Vacuum function diagram 1 automatic climate control
Function selection "a" (defrosting)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "open")
39 Vacuum element for legroom flaps (flap "closed")
40 Vacuum element for center nozzle flap (flap "closed")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

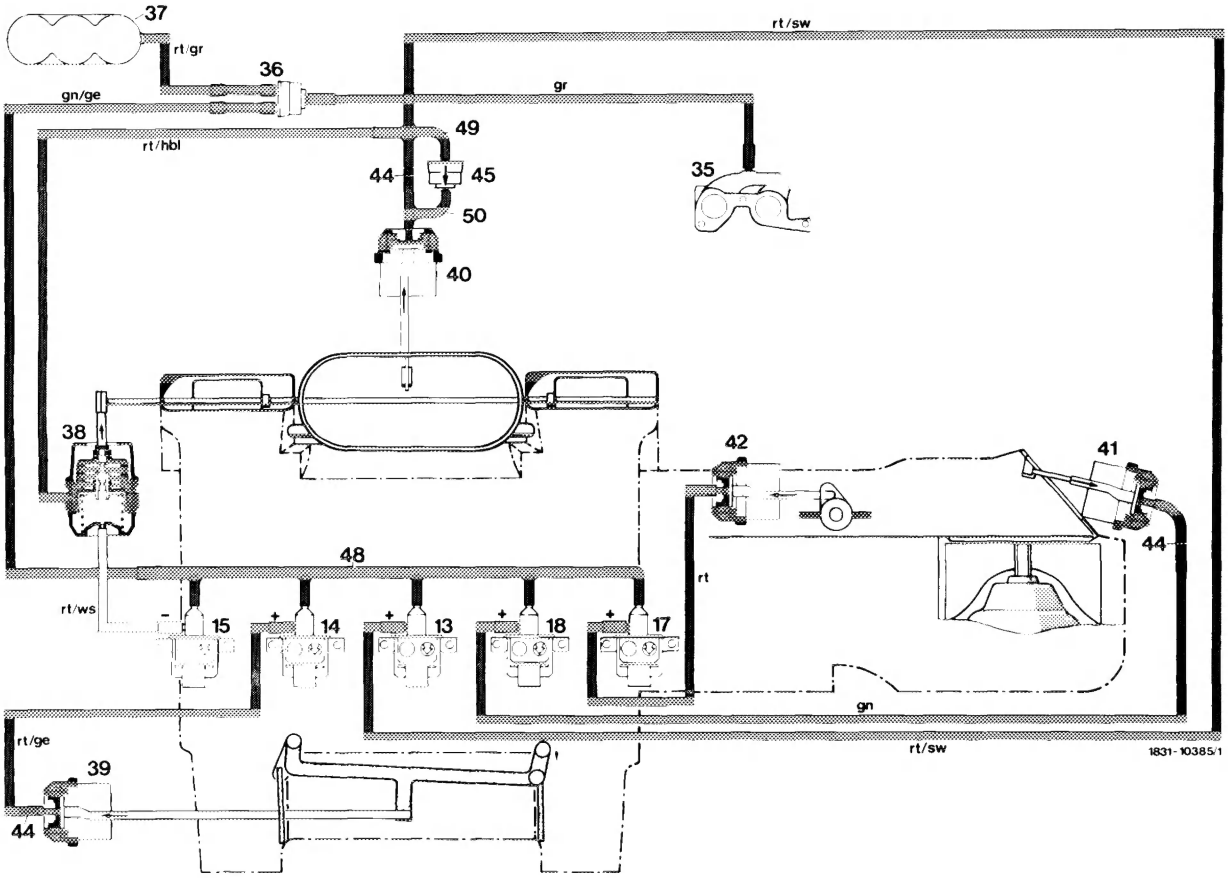
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 2 automatic climate control
Function selection "b" (heating)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "open")
39 Vacuum element for legroom flaps (flap "open")
40 Vacuum element for center nozzle flap (flap "closed")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

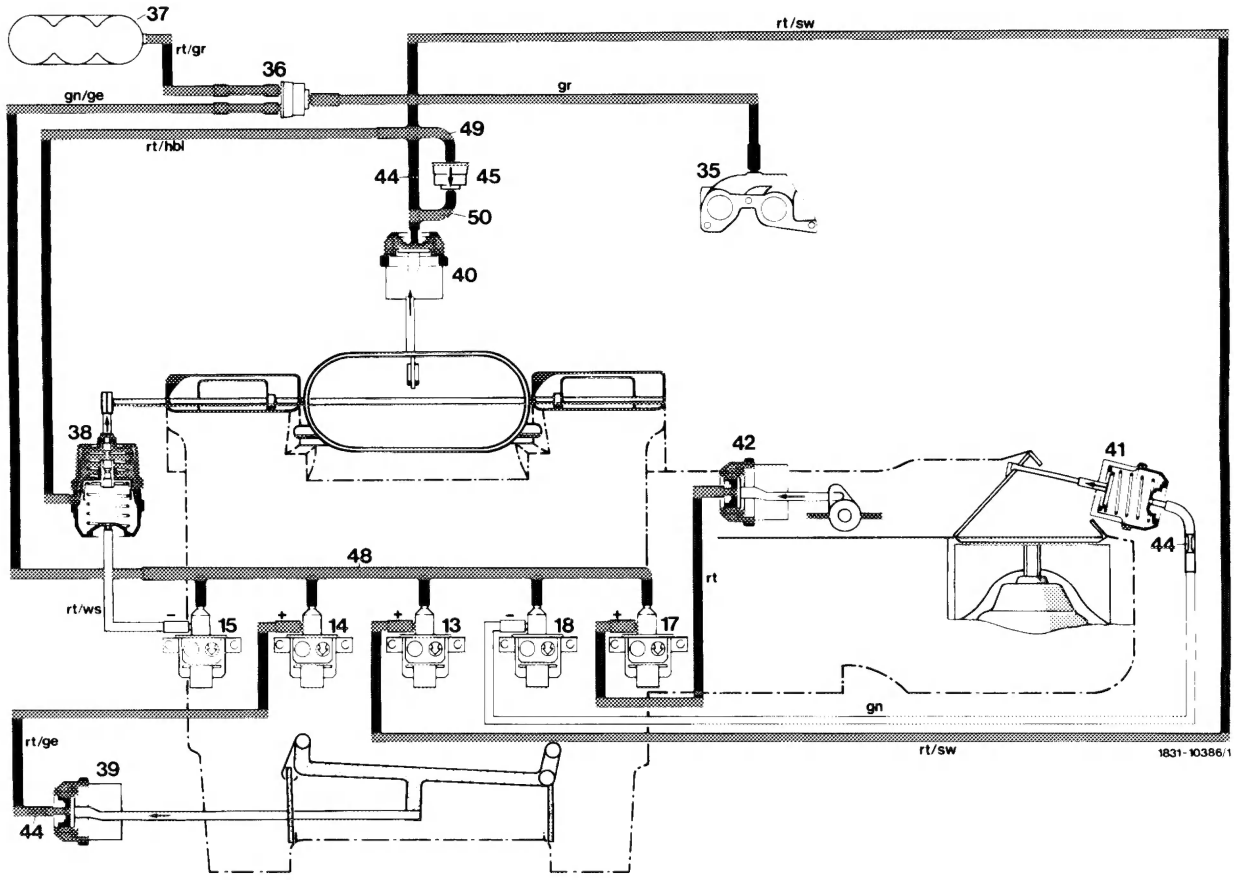
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 2a automatic climate control
Function selection "b" (cooling – fresh air)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "open")
39 Vacuum element for legroom flaps (flap "open")
40 Vacuum element for center nozzle flap (flap "open")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

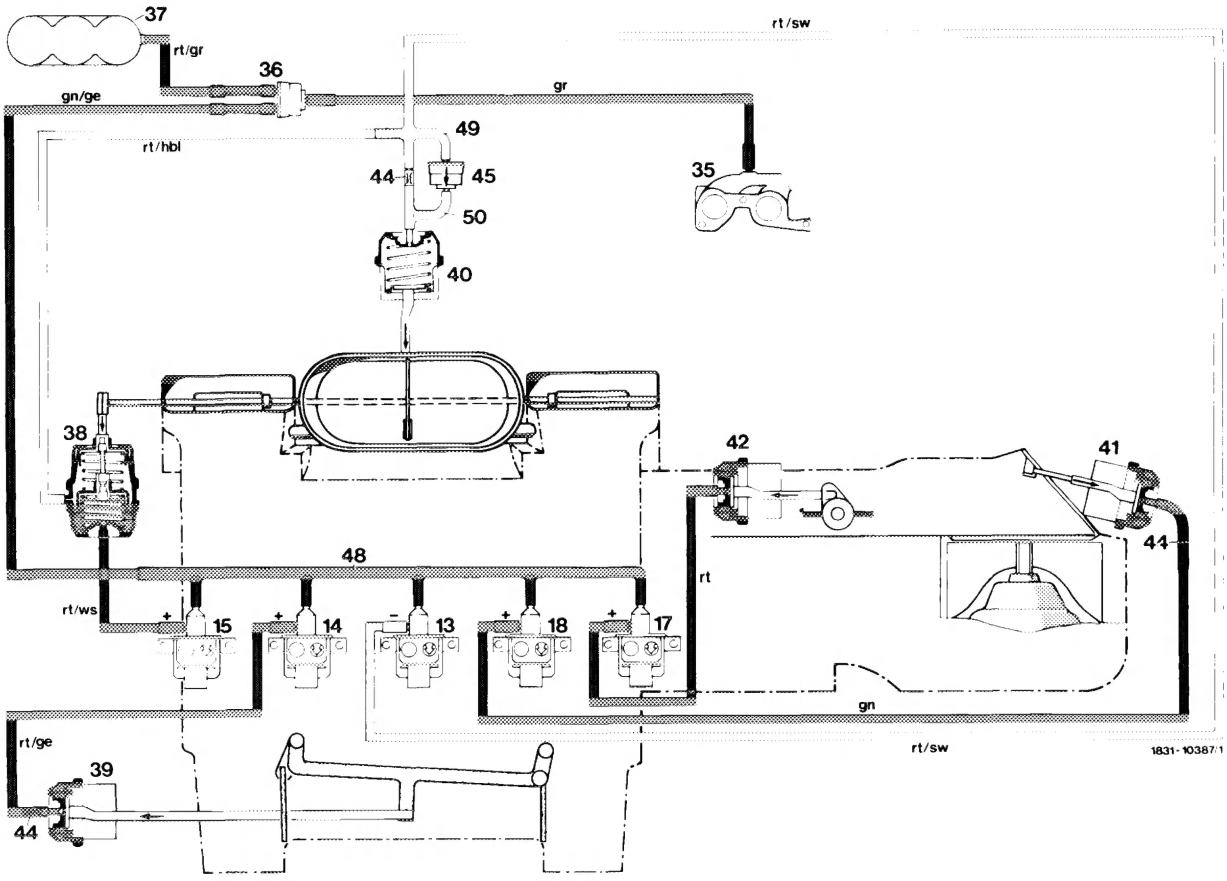
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 2b automatic climate control
Function selection "b" (cooling – recirculating air)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "open")
39 Vacuum element for legroom flaps (flap "open")
40 Vacuum element for center nozzle flap (flap "open")
41 Vacuum element for fresh air-recirculating air flap (position "recirculating air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

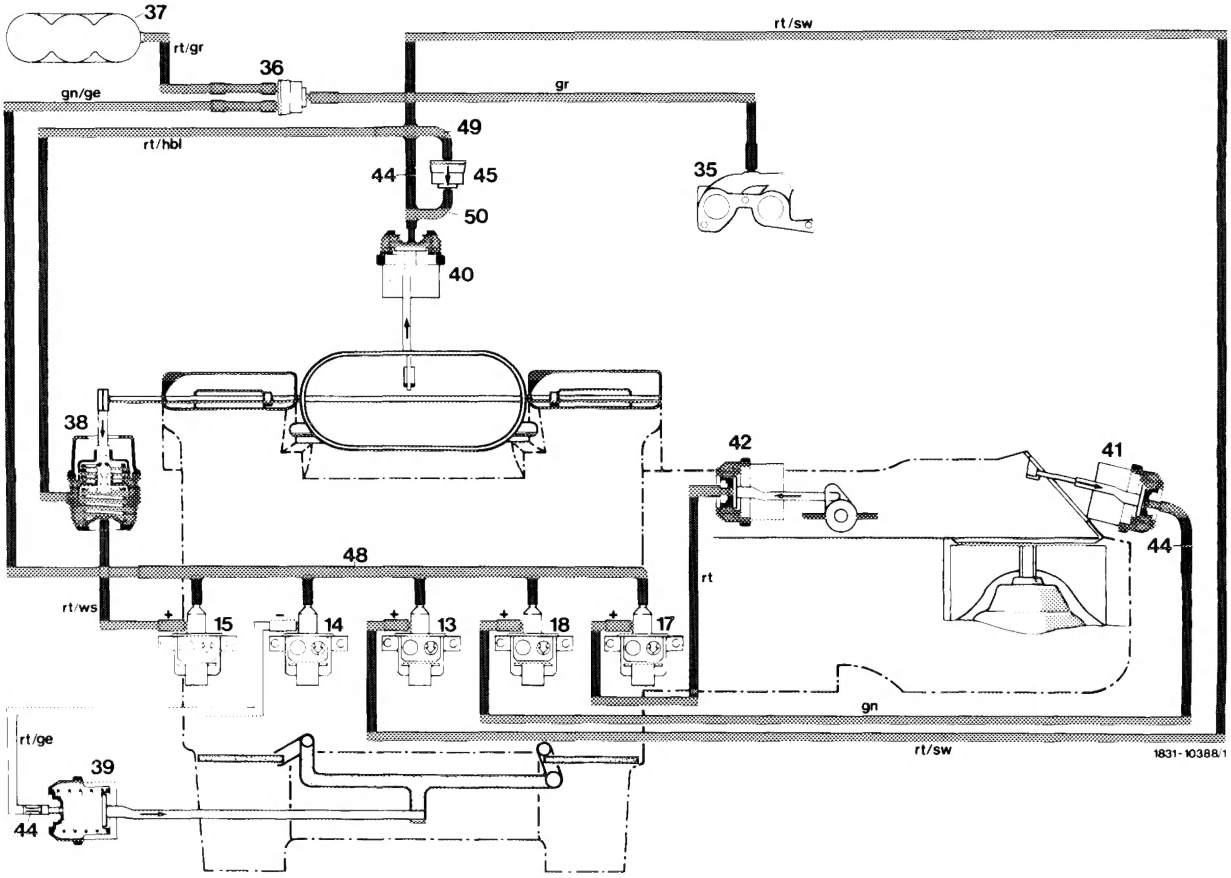
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 3 automatic climate control
Function selection "c" (heating)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "closed", with leak air share)
39 Vacuum element for legroom flaps (flaps "open")
40 Vacuum element for center nozzle flap (flap "closed")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

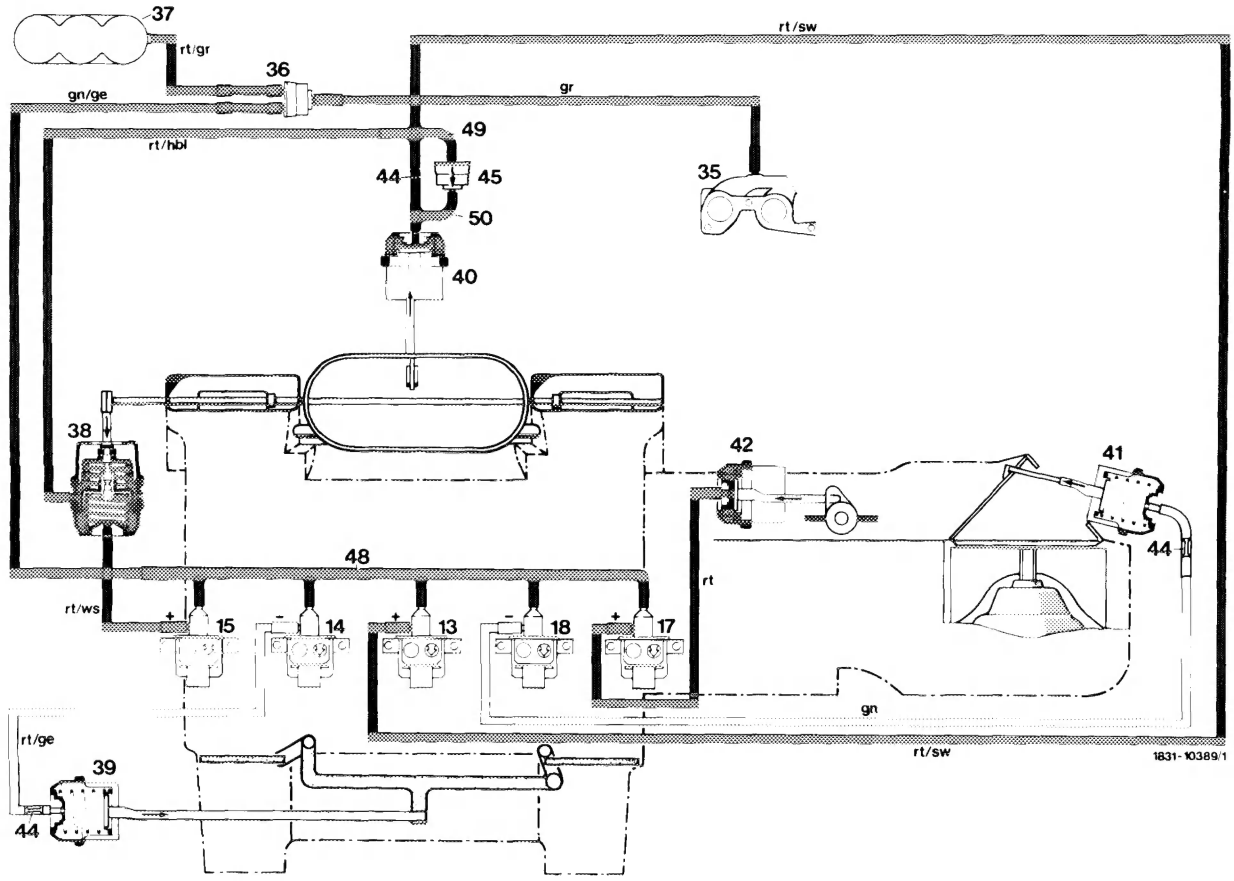
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl= light blue
sw = black



Vacuum function diagram 3a automatic climate control
Function selection "c" (cooling – fresh air)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flaps
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "closed")
39 Vacuum element for legroom flaps (flaps "closed")
40 Vacuum element for center nozzle flap (flap "open")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

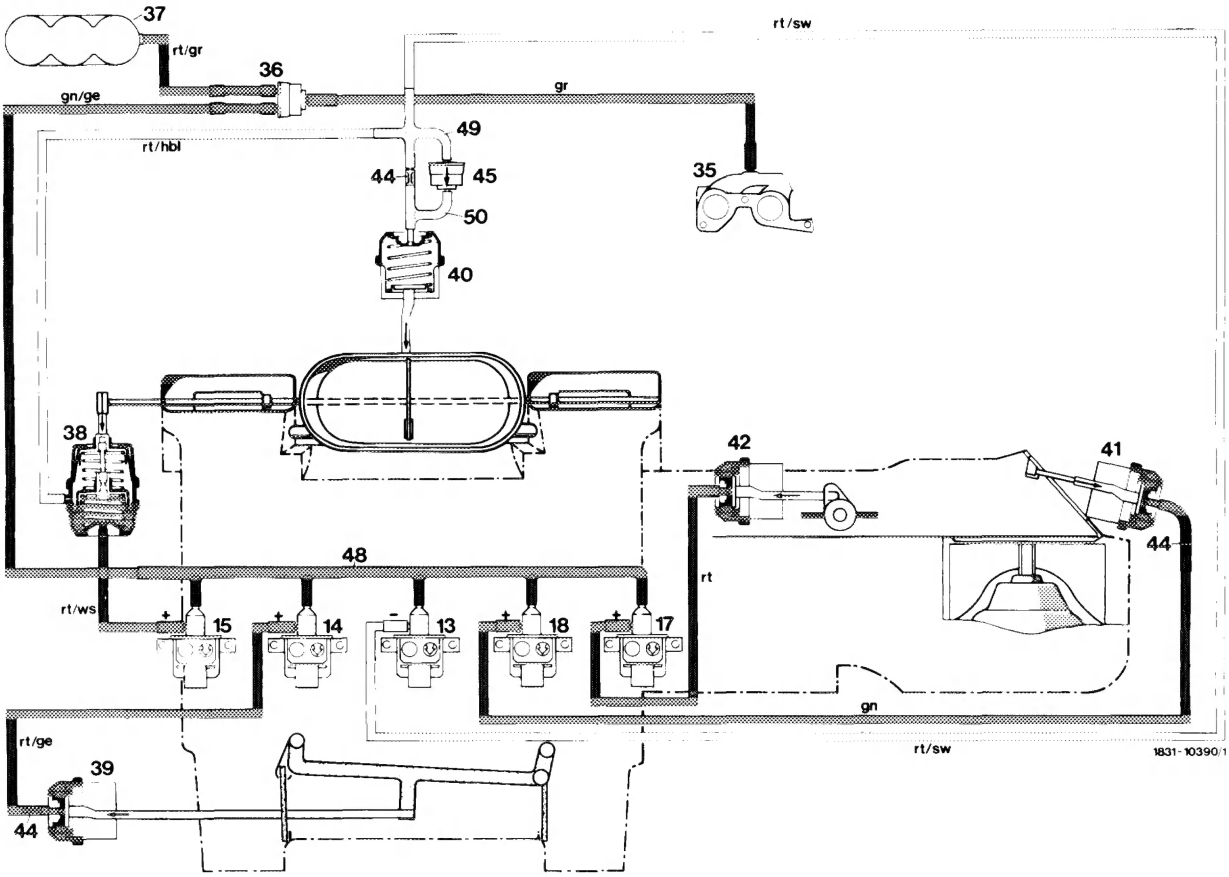
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 3b automatic climate control
Function selection "c" (max. cooling – recirculating air)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "closed")
39 Vacuum element for legroom flaps (flaps "closed")
40 Vacuum element for center nozzle flap (flap "open")
41 Vacuum element for fresh air-recirculating air flap (position "recirculating air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

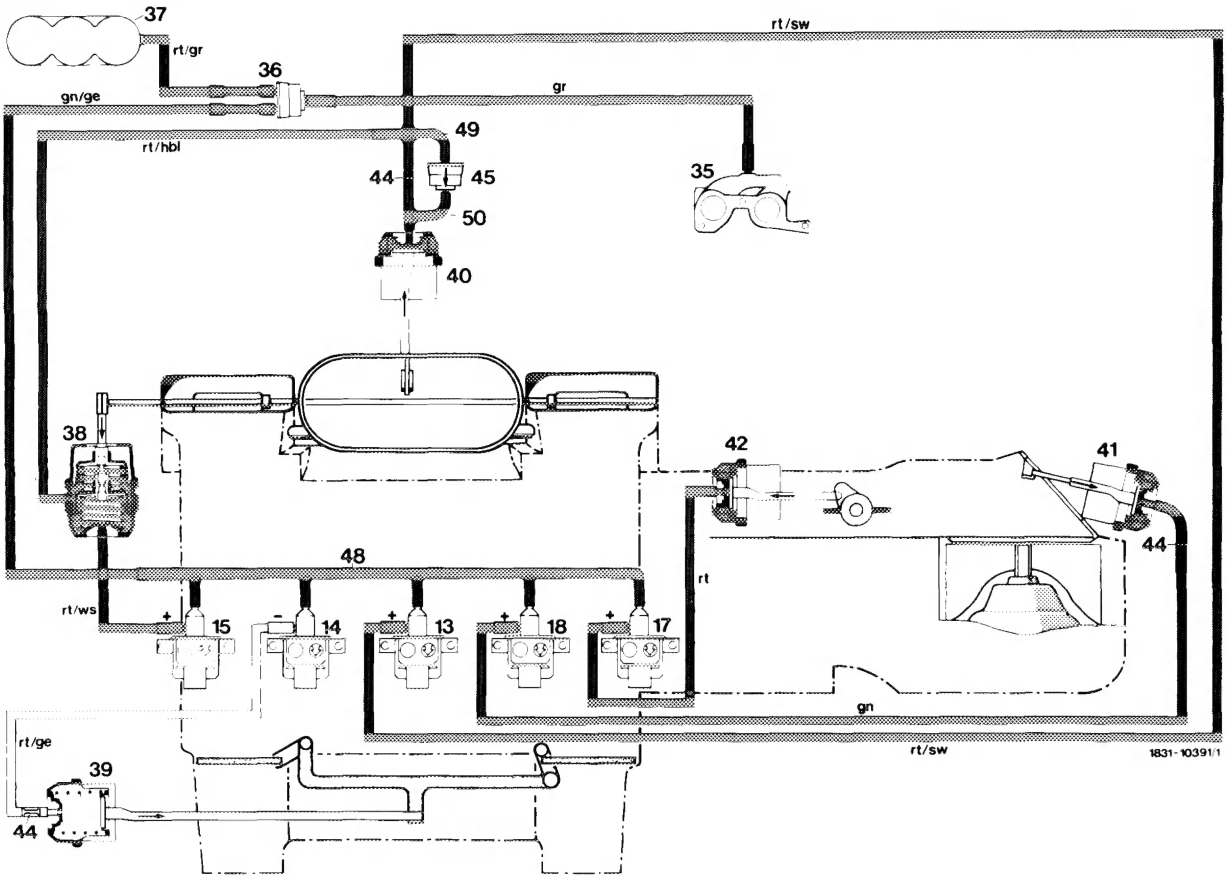
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 4 automatic climate control
Function selection "d" (heating – economy)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "closed", with leak air share)
39 Vacuum element for legroom flaps (flaps "open")
40 Vacuum element for center nozzle flap (flap "closed")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

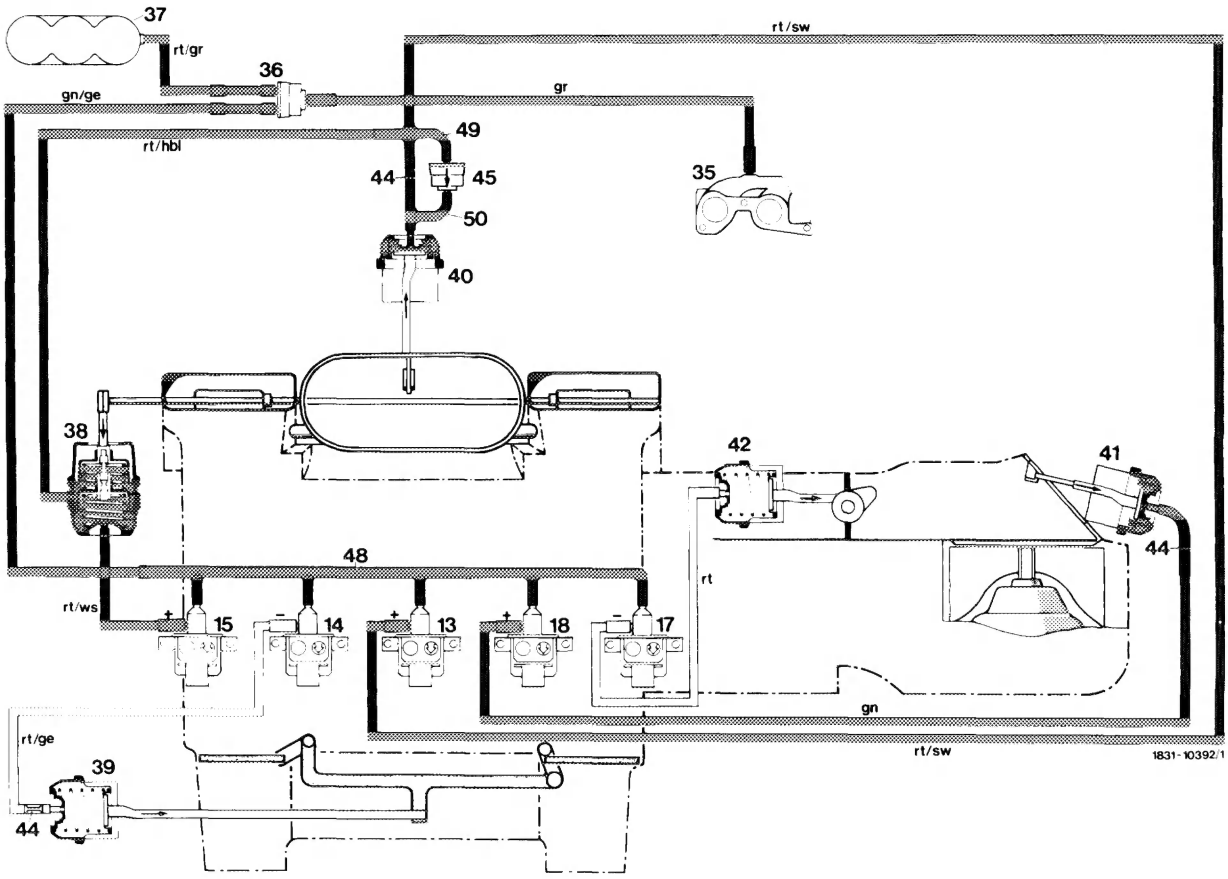
Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black



Vacuum function diagram 4a automatic climate control
Function selection "d" (cooling – economy)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "closed")
39 Vacuum element for legroom flaps (flaps "closed")
40 Vacuum element for center nozzle flap (flap "open")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "open")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl= light blue
sw = black



Vacuum function diagram 5 automatic climate control
Function selection "e" (off – ignition on)

13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps
15 Switchover valve for defroster nozzle flaps
17 Switchover valve for main air flap
18 Switchover valve for fresh air-recirculating air flap
35 Vacuum connection on intake manifold
36 Check valve
37 Vacuum reservoir
38 2-stage vacuum element for defroster nozzle flaps (flaps "closed")
39 Vacuum element for legroom flaps (flaps "closed")
40 Vacuum element for center nozzle flap (flap "open")
41 Vacuum element for fresh air-recirculating air flap (position "fresh air")
42 Vacuum element for main air flap (flap "closed")
44 Throttle (orifice)
45 Check valve (arrow = flow direction)
48 6-point distributor
49 4-point distributor
50 3-point distributor

Color code of
vacuum lines
ge = yellow
gn = green
gr = gray
rt = red
ws = white
hbl = light blue
sw = black